

MONTHLY MEETING Friday September 18, 2015

7:30pm

Our Saviors Lutheran Church
1035 Carol Lane Lafayette

Licensing Testing 6pm

DX Interest Group 6:30pm

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September Meeting Program Amateur Radio as an Educational Tool at the University of California Berkeley



Michael (Miki) Lustig is an Associate Professor in the Department of Electrical Engineering and Computer Science. For the past two years, he has been using software defined radios and amateur radio as an educational tool at UC Berkeley.

For the past two years, Professor Lustig has been using software defined radios and amateur radio as an educational tool at UC Berkeley. Professor Lustig will discuss the series of events that lead him towards it, the rational behind it and show demonstrations of what students are actually doing. So far, his work has gotten over 200 students licensed and he hopes for another 100 this coming year.

Miki Lustig joined the faculty at UC Berkeley in Spring 2010. He received his B.Sc. in Electrical Engineering from the Technion, Israel Institute of Technology in 2002. He received his M.S. and Ph.D. in Electrical Engineering from Stanford University in 2004 and 2008, respectively.

73,

Will Dickson, WB6YGJ, Vice President

**When you purchase at
Amazon dot com smile, a
portion of your purchase
is donated to our club.**

**Go to:
[https://smile.amazon.com/
ch/23-7072059](https://smile.amazon.com/ch/23-7072059)**

AMSAT Fox-1D to launch with Fox-1C on Spaceflight SHERPA 1Q 2016



In response to a breaking opportunity, AMSAT and Spaceflight, Inc. have arranged for Fox-1D to accompany Fox-1Cliff on the maiden

flight of the SHERPA system on a SpaceX Falcon 9. As a Fox-1 series, Fox-1D is identical to Fox-1Cliff, but with different frequencies and carrying the University of Iowa HERCI (High Energy Radiation CubeSat Instrument) radiation mapping experiment as a hosted payload. Fox-1D will provide additional selectable U/V or L/V repeater capabilities once in orbit, and will be capable of downlinking Earth images from the Virginia Tech camera experiment. Launch is currently planned for the first quarter of 2016. Additional donor support is needed to offset the costs associated with the launch of Fox-1D in addition to Fox-1Cliff. Please visit www.amsat.org to donate support this launch, and help keep amateur radio in space.

ALL MEMBERS ARE INVITED TO JOIN THE CLUB YAHOO GROUP.
DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Mike Patterson, N6JGA
Vice President - Will Dickson, WB6YGI
Secretary - David Molstad, WB0HNY
Treasurer - Bill Swindell, K1LED

Technical Committee Chair
Jim Siemons, AF6PU

Directors At Large
Trevor Hall, WA6JAU Mitchell Boyce, W8DOD
Janice Fujii, KG6VTD Francis O'Leary, KF6FRJ

Emergency Coordinator - Ron Bunch, W4FEK

PACIFICON 2015
Chair: Trevor Hall, WA6JAU
Registration: Misa Siemons, KJ6BUE
Treasurer: Jim Siemons, AF6PU
Secretary: Pete Harris, KE6ZIW
Web Page: Mike Patterson, N6JGA

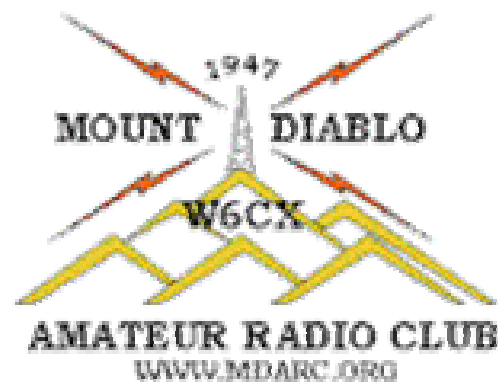
Membership Chair - Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

Website - David Schild, KK6CQX
Repeater Trustee - Jay Caldis, KT6Y
Education & Training Chair - John Primus, AF6RJ
License Testing - Larry Loomer, KI6LNB
Public Service - Pete Harris, KE6ZIW
Field Day Chairs - Lauren Styles, WA6CIE and
Elizabeth Styles, KG6HLV

Refreshments: Elizabeth Styles KG6HLV
Holiday Party - Misa Siemons KJ6BUE
Trailer - Patrick Miller, KK6DBX

The Carrier Newsletter
Editor, Matthew G. Vurek, N4DLA
n4dla_cs245@yahoo.com
Proofreader - Larry Loomer, KI6LNB

Digital Media - David Molstad WB0HNY
Amateur Television Help and Information:
John Schuler, W6DTV JOHNQRZ@aol.com



August and September 2015

Ron Cohea, KK6HWS
Janet Nadol, KK9JAN
Bill Fenech, AI6JZ
Michael Locatelli, KJ6LNH
Kurt Hess, N6RS
Greg Burnside, KK6VPY
Jim Blair, KK6WFR
Connor Hough, KK6WFS

There is also a member that renewed after being absent for several years:

Bob Strohmeyer, W6AKA

Welcome !!!

73, Tom Deeble, KA6SIP, Membership Secretary

PRESIDENT'S QTC

Autumn is upon us, officially beginning next Wednesday, September 23rd (at 01:21AM Pacific, for you time geeks). With that, we start thinking about Fall and Holiday activities.

Pacificon is almost here! If you're a last-minute kind of person, don't wait any longer to register. The deadline for the early-bird rates is October 5th, only 3 weeks away. After that date, you'll need to register at the door and at a higher price. We've got some great forums, events and seminars, so sign up now. Nowhere else in the western U.S. can you get an entire weekend of high-quality education and fun for only \$25! Go to <http://www.pacificon.org/> to see what we have and register on line.

The Public Service season is beginning to wind down for the year, but we still have three major events coming up; a parade, a bike ride and a run. There is no better way to practice your Ham skills than by working public service events. Go to <http://www.mdarc.org/activities/public-service> to see the events, then contact Pete Harris, KE6ZIW, to sign up.

The Technical Committee reports that our Amateur Television's (ATV) output is now fully digital. Analog is history. The results include 4 channels of crystal clear signal using the same spectrum that our single channel analog system used. It also has more range. Some frequencies have been added to our input options as well, allowing uplinks with AM analog, FM analog or digital. See our Repeater web page at <http://www.mdarc.org/activities/repeaters> for details.

The problems with our D-Star gateway on Mt. Diablo have been repaired and the system is fully functional again. If you didn't know, the system's gateway failed and needed to be replaced. Also, the Committee is working on replacing our existing telephone lines to Mt. Diablo and our voice line with Voice-over-Internet-Protocol (VoIP) lines, which are available for free, thus saving us the cost of the telephone lines. Once final testing is successful, we'll make the switch permanent.

Our Education and Training Committee will be finishing its General Class Upgrade course at the end of this month, with the test administered Oct. 1. An HF Get On The Air (GOTA) class is scheduled for Thursday, Oct. 8 at the Salvation Army facility in Concord. Everyone is welcome, whether you attended the General course or not. Following the GOTA, the Committee will work on preparing its 2016 training. If you're interested in helping with our education and training, please let our Committee Chair, John Primus, AF6RJ, know.

As in recent past years, our annual MDARC Club holiday banquet will be at Zio Fraedo's restaurant in Pleasant Hill. The date is Sunday, December 6, 2015. Because it's a work night, we're starting a little earlier than usual. Cocktail hour begins at 5:00pm with the dinner service starting at 6:00pm. More information will be coming as we get closer, but reserve the date on your calendar now. Remember, this banquet replaces our December Club meeting. There will not be a Club meeting on the 3rd Friday, Dec. 18, 2015.

It seems early, but our annual Club elections are only a couple of months away. A Nomination Committee has been appointed and is soliciting candidates for all leadership positions. See their message elsewhere in this edition. Please consider running for one of the positions. We welcome self-nominations; don't hesitate to step forward and let the Committee know you're interested. Also, if you know of someone you think will be a good choice for an office, let the Committee know that, too.

Remember to shop on Amazon Smile at <https://smile.amazon.com/ch/23-7072059>; and please consider volunteering for the Club. No experience necessary. Our Club and all the activities we do can't exist unless you volunteer.

73 until next time,
Mike Patterson, N6JGA
President

2016 OFFICER NOMINEES

Listed below are the positions and names of those running. The first five positions have only one person running for that office. The two positions for Director have a total of four candidates.

President: Mike Patterson, N6JGA

Vice President: Will Dickson, WB6YGJ

Secretary: Dick Fletcher, AF9RF

Treasurer: Cathi Walton, KJ6YNO

Emergency Coordinator: Ron Bunch, W4FEK

Director at Large (two positions):

1. Trevor Hall, WA6JAU (incumbent)
2. Mitchell Boyce, W8DOD (incumbent)
3. Bill Swindell, K1LED
4. David Molstad, WB0HNY

Please extend thanks to the members of the Nominating Committee, Jim NiCastro, KI6SDF, and Dave Piersall, N6ORB.

Thank you,

Janice Fujii, KG6VTD
2016 Nominating Committee

MOUNT DIABLO AMATEUR RADIO CLUB Board Meeting Minutes

Date August, 2015 Time 1930 Hours

Presided over by Board President Mike Patterson, N6JGA

Recorded by David Molstad WB0HNY Board Secretary

Minutes recorded in accordance with Robert's Rules of Order, Fourth Edition.

The meeting was held at the at Our Saviors Lutheran Church
1035 Carol Lane Lafayette, CA 94549 Call to order 1930 Hours

Pledge of Allegiance

II) Approval of Minutes from February Meeting
Club Meeting Minutes are posted in MDARC Yahoo.

III) Officer Reports

a) President Mike Patterson, N6JGA

Next Board meeting usually on the first Monday will be on the second Monday, September 14, 2015 due to the holiday weekend and people's travels.

b) Vice President Will Dickson, WB6YGJ

All Club Speakers set for this year. K6EGF Eduardo Gonzalez-Fuentes will discuss Astronomy and Radio

d) Treasurer Bill Swindell, K1LED

MDARC balance, \$64,063.76. South Peak Rent to increase to \$777 a month

IV) Committee Reports

a) Field Day Lauren M Styles WA6CIE

Mike for Lauren. Lauren will be here for September Meeting. Field Day Report missed Carrier last month. Many thanks for many people for helping out.

b) Membership Tom Deeble KA6SIP. Carrier has been sent

c) PACIFICON Trevor Hall WA6JAU

Mike for Trevor Please attend, volunteer if you can

d) Public Service Pete Harris KE6ZIW

12 Public Service events this year. 4 remain. Call or email Pete Harris

On September 26, 2015 General and Technical. One day course will be given, go to BeniciaARC.com to register

e) Nomination Committee Janice Fujii KG6VTD. Mike for Janice
All board positions open. More information at MDARC.org

f) Licensing Larry Loomer KI6LNB
7 new Techs Two perfect tests. 1 General

j) Technical Committee Jim Siemons, AF6PU
APRS working great. North Peak ATV working well, stable. South Peak Federal Aviation Commission. contacted MDARC regarding interference with radar. Experiment with DATV about to conclude so interference will no longer be a concern. DATV working fabulously 4 channels with only 30% of the band used. New frequencies worked out with FAR. Transmitter on North Peak. Analogue being discontinued . James Moen K6JM noted DSTAR concerns. Hard drive on PC failing Jim and Trevor. Went to site to replace driver, PC failed. James provided a new PC, should be working soon. South Peak concerns. ComSites West, tower management, sent a letter. Has informed MDARC that only one antenna is now allowed on the tower, repeater needs two Antennas can be on the roof of the building. ComSites is offering much less service and increasing the rent. An alternative proposal sent to ComSites, no response yet. Alternative sites for the repeater are being considered if No agreement can be reached with ComSites. Plea to club to make personal appeals and assistance. See Jim. From Mike. Negotiations still in progress, Man thanks to Jim for his Great work.

V) Unfinished business None

VI) New Business

Mike opened discussions on change of By Laws. Confirmed attendees meet quorum requirement. Procedural process. Approve By Law modifications as a block. Approve each change individually. Open discussion on each change. Up down as they stand tonight. Motion by Dick Brown KT6X. Approve all By Laws as written. Second by Earle Anten KM6WM. No discussion. Voice vote approval. No deny. No obtain

VII) Adjourn

BY-LAWS

MOUNT DIABLO AMATEUR RADIO CLUB

Amended February 20, 2009

Amended May 15, 2010

Amended August 21, 2010

Amended August 21, 2015

PREAMBLE

The Mount Diablo Amateur Radio Club has been organized for public and charitable purposes, specifically as an educational and scientific organization as defined and limited by U.S. Internal Revenue Code §501(c)(3). The specific educational, scientific and public welfare purposes of this corporation are as defined in Article II of the Articles of Incorporation.

This corporation is organized under the Nonprofit Public Benefit Corporation Law of the State of California, California Corporations Code TITLE 1, DIVISION 2, PART 2 and is not organized for the private gain of any person.

ARTICLE I – NAME, OFFICERS AND DIRECTORS

Section 1. NAME

This corporation shall be known as the "Mount Diablo Amateur Radio Club", a California non-stock nonprofit public benefit corporation.

Section 2. OFFICERS

The officers shall consist of a President, Vice President, Secretary and Treasurer. All terms of office shall be one year.

Section 3. DIRECTORS AND EMERGENCY COORDINATOR

In addition there shall be four Directors-At-Large and a fifth Director designated the Emergency Coordinator. Two Directors shall be elected each even-numbered year for a term of two years. The second two Directors shall be elected in odd-numbered years for a term of two years. The term of office of the Emergency Coordinator shall be for one year.

Section 4. QUALIFICATIONS

The Officers, Directors and Emergency Coordinator shall be elected from the membership and shall be Amateur Radio operators licensed by the United States of America.

Section 5. ELECTION

Newly elected officers and directors shall take office on the first day of January.

ARTICLE II - DUTIES AND AUTHORITY

Section 1. PRESIDENT

Duties shall be to call and preside over all official meetings.
Shall appoint all committee chairpersons.

Section 2. VICE PRESIDENT

Duties shall be to assist the President in the discharge of the President's duties and to preside in the President's absence.
Shall also be the program chairperson.

Section 3. SECRETARY.

Shall record the minutes of all official meetings and maintain a record of each for inspection by Club members.
Shall execute all necessary correspondence.
Shall maintain all club historical records.

Section 4. TREASURER

Shall act as the Principal Financial Officer of the club; be custodian of all club funds; keep complete and accurate records of the receipt and disbursement of such funds.

Shall maintain a true and complete account of all club assets and liabilities including capital items and prepare formal written reports as of June 30 and December 31. These reports shall be published in the Club newsletter.
Shall report the financial condition of the club at each general membership meeting.
Shall be responsible for the preparation of all necessary tax filings with city, county, state and federal jurisdictions for the Board of Directors.
Shall prepare for Board of Director's approval, an annual budget of income and expense of the club and its committees and groups. Shall arrange to have the budget published in the Club newsletter no later than the February issue.

Section 5. EMERGENCY COORDINATOR

Shall coordinate club activities with RACES/ARES, the county Auxiliary Communications Service (ACS) and other public safety and emergency response officials.
Shall maintain all records of information pertaining to those activities.

Section 6. BOARD OF DIRECTORS

The Board of Directors shall be voting members of the Board, and are expected to attend all Board meetings.
The Board of Directors shall meet and conduct the business of the corporation. Minutes of all General Membership meetings and Board of Director's meetings shall be published by the secretary in the Club newsletter.
The Board of Directors shall be empowered to authorize payment of any bills not exceeding \$1,000 that are not an approved budget item and shall be empowered to authorize payment of increases in budgeted items that do not increase by more than \$1,000.
The Board of Directors may appoint a duly qualified regular club member to fill out the unexpired term of any office vacated, including by resignation, death or removal.
Officers and Directors may be removed for cause including but not limited to absence, neglect of duty or misuse of office upon recommendation by a majority of the Board of Directors and a two-thirds affirmative vote by the members present at the following General Membership Meeting. -

ARTICLE III – MEETINGS

Section 1. MEMBERSHIP MEETINGS

Regular meetings of the membership shall be held on the third Friday of each month, or at other times, when a Special Meeting is called by the President or by written request to the Board of Directors signed by five General Members of the corporation.

Section 2. MEETINGS OF THE BOARD OF DIRECTORS

Regular meetings of the Board of Directors shall be held on the first Monday of each month, or at other times, when a Special Meeting is called by the president or a quorum of the Board of Directors.

Section 3. MEETINGS CONDUCTED UNDER ROBERT'S RULES OF ORDER.

All meetings of the corporation, including meetings of the membership, Board of Directors and committees shall be conducted in accordance with the current edition of Robert's Rules of Order Newly Revised in all cases to which they are applicable and in which they are not inconsistent with these bylaws and any special rules of order the corporation may adopt.

Section 4. QUORUM

A quorum at all membership meetings shall comprise ten percent of the General Membership present. A quorum at all meetings of the Board of Directors shall comprise fifty percent of the officers and directors in office.

ARTICLE IV – FINANCE

Section 1. ANNUAL DUES

1. Any changes in the annual dues shall be voted upon by the Board of Directors and approved by a simple majority of the membership at a regular membership meeting. A proposal to revise the dues shall be published in a mailing to the members, one month before the membership vote.

Section 2. NO ASSESSMENTS

1. Club expenses may be defrayed by dues, donations, auctions or benefits, but not by assessment.

Section 3. AUTHORIZED SIGNATURES

1. All authorized checks shall be signed by the Treasurer, or any other officers designated by the Board of Directors.

Section 4. NON-BUDGETED EXPENSES

1. Motions to expend non-budgeted club funds shall normally be presented to the Board of Directors prior to presentation to the membership at a Regular or Special Meeting.

Section 5. EXPENSES PROPOSED AT MEMBERSHIP MEETINGS

1. Motions made at a regular membership meeting to expend funds not included in the budget shall not be acted upon at that meeting. Authorization to spend the proposed money shall be referred to the Board of Directors and no expenditure shall be made without their affirmative vote.

ARTICLE V – MEMBERSHIP

Section 1. GENERAL MEMBERSHIP

1. Any person is eligible for General Membership regardless of race, creed, sex, or national origin and the like. Each General Member is entitled to vote at all Regular and Special Meetings.

Section 2. ADDITIONAL FAMILY MEMBERSHIP

Additional family members of General Members in good standing may qualify as General Members without payment of dues or for discounted membership dues as determined by the Board of Directors.

Additional family members must reside at the same address and one copy of the Club newsletter will be mailed to that family address unless otherwise requested.

Section 3. STUDENT MEMBERSHIP

1. The Board of Directors may establish Student Memberships, designating from time to time the amount and payment of dues. The qualifications for Student Membership and voting privileges, rights and obligations shall determined by the Board of Directors.

Section 4. HONORARY MEMBERSHIP

The Board of Directors may award a non-voting Honorary Membership to persons of merit. An Honorary Member shall not be obliged to pay dues.

Section 5. LIFE MEMBERSHIP

The Board of Directors may award Life Memberships. A Life Member shall not be obliged to pay dues. A Life Member shall have the same voting privileges, rights and obligations as a General Member.

Section 6. REVOCATION

Membership may be revoked or other lesser disciplinary action taken against a member after a review and a recommendation by the Board of Directors and a majority vote of the membership for any of the following:

Violations of the Radio Laws, Regulations and Treaties of the United States of America, including intentional and/or malicious radio interference.

Non-payment of dues.

Failure to abide by these By-Laws.

Member misconduct.

Section 7. REINSTATEMENT

1. A member whose membership has been revoked may apply for reinstatement of membership not sooner than one year from the date of the revocation.

Section 8. DELINQUENCY

Dues delinquent after January 31 automatically stand the member suspended. Reinstatement may be made upon payment of dues. A member in good standing shall be one whose membership has not been suspended nor revoked.

Section 9. MEMBER MISCONDUCT

Member misconduct shall include, but shall not be limited to:

Financial misconduct, fraud, embezzlement or theft of corporation funds and /or property.

Intentional conduct creating legal liability for the corporation.

Violent, threatening, and/or disorderly conduct.

Bringing disrepute to the corporation including but not limited to threats, harassment and insults to members and to the public at large.

Violation of criminal laws.

Attempts to disrupt orderly procedure or failure to abide by rulings from the presiding officer or chairman at Membership, Board and committee meetings, including refusal to comply when called out of order.

ARTICLE VI - NOMINATING COMMITTEE

Section 1. COMMITTEE MEMBERS

The nominating committee shall consist of three members appointed no later than the August General Membership meeting by the President.

Section 2. DUTIES

It shall be the duty of the Nominating Committee

to procure candidates for each office,

to qualify nominated members as to membership and willingness to accept the nomination,

to receive and tabulate ballots.

Section 3. NOMINATIONS

Nominations in all forms to shall be presented at the September meeting. Any member in good standing with a United States Amateur Radio license may be proposed for nomination from the floor at the September meeting. The nominees' names shall be published in the October and November Club newsletters.

Section 4. BALLOTING

Ballots shall be mailed in the month of November. Voting may be by mail, with receipt required at the Club's post office box prior to the November meeting, or in person at the November meeting. A teller's committee shall be appointed by the President and the results of the election shall be announced at the November meeting.

ARTICLE VII - CONFLICTS OF INTEREST POLICY

Section 1. CONFLICTS WITH INTEREST OF THIS CORPORATION PROHIBITED.

All actions, deliberations, decisions and actions by the Board of Directors, the individual officers, directors, committee chairmen and members of this corporation shall be made in the sole interests of this corporation and for the corporation's educational and scientific purposes as defined and limited by U.S. Internal Revenue Code §501(c)(3).

Section 2. PERSONAL FINANCIAL BENEFIT PROHIBITED

Individual officers, directors, committee chairmen and members are prohibited from taking any action to achieve a personal financial benefit or for a third person or other entity, including another nonprofit or for profit organization.

Section 3. DUTY TO RECUSE

Any officer, director, committee chairman or member shall promptly disclose the existence of any potential conflict of interest and shall recuse himself or herself from being present for discussion or voting on any matter in which they have a material financial interest, or they are an officer or director of another entity that may reasonably be affected by the outcome of the vote.

ARTICLE VIII - BY-LAWS AMENDMENTS

Section 1. PROCEDURE

An amendment to the By-Laws may be initiated by the Board of Directors or by written request to the Board of Directors signed by five members of the club. In order to be effective, the proposed amendment shall be presented to the Board of Directors, published by mail to the members or published in the Club newsletter by mail and/or electronic means, and approved by two-thirds of the members present at the next regular membership meeting following such publication.

ARTICLE IX - PUBLICATION

Section 1. OFFICIAL PUBLICATION

There shall be an official publication maintained by the corporation in the form of a newsletter to be published monthly and called the "Carrier". The editor and staff shall be appointed by the Board. The financing of the Club newsletter shall be from the corporation's treasury.

Section 2. PUBLICATION BY ELECTRONIC MEANS

1. All publications, notices and mailings to the members may be made by electronic means.

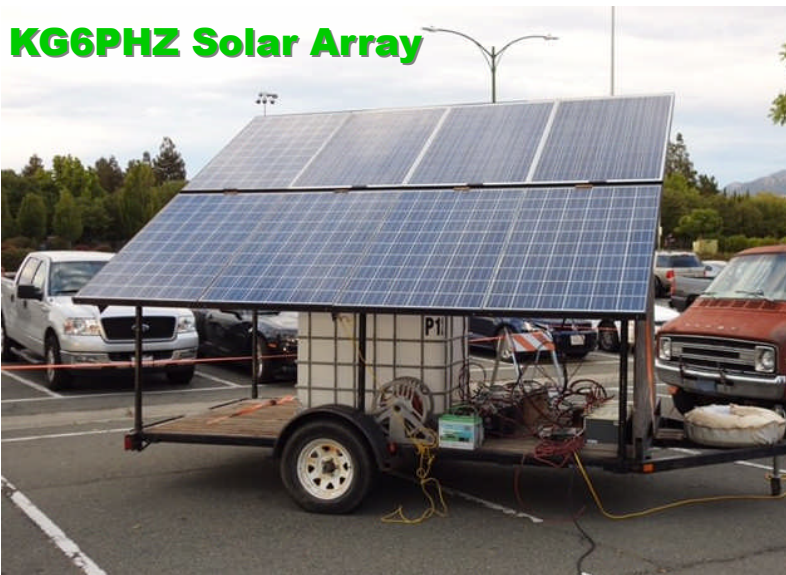
FINAL FIELD DAY 2015 REPORT

I would like to thank all of the participants, visitors, and people who made contact with us. While our contact total was only 117, some due to band conditions (a solar flare that happened on Thursday did not help at all), some due to time to learn the logging program and how to operate rigs that you have never operated before, we generally had a good time. We had 55 participants/visitors including at least 2 official visits from ARRL Pacific Division leaders. A number of people who have either never been on HF or have only been on occasionally were put on 20 or 40 and made contacts.

I would like to express my thanks for the efforts of several people:

KG6PHZ Charlie Henry for all the work and time he put in to supply us with Solar Power for the stations, computers, lights and occasional power tools that needed to be used. This is the 2nd or 3rd year that Charlie has brought out his mobile solar array (this year bigger and better) with about 1.9KW of output.

KG6PHZ Solar Array



The only time we had to use a generator was before he arrived with the array.

KI6WBH Ben Heathorn. Ben learned all about operating 40M on Field Day from Larry WW6USA before Larry moved to New Mexico. The last couple of years he has been on 20M but gladly took 40M this year when the band captain position became open. Ben used opportunity to experiment with wire antenna configurations.

K6XZ Steve Rogge for taking on 20M / 15M. Steve has been licensed for a few years, however he has never set up or operated HF station due to his work schedule. He learned a lot about

20M / 15M HF operation in few hours; including how to setup/operate a unfamiliar station in a trailer, how to properly put together a beam with only colored tape markings to define elements, how to pick weak signals out QRM/QRN. He had a lot of fun and is already thinking how to improve things for next year.

KJ6BUE Misa Siemons and AF6PU Jim Siemons for their assistance in working with City of Walnut Creek, Heather Farms Park, and the company that supplied portable restrooms and handwash station.

KG6MDW Trevor Raty for his assistance with getting the submission set up for ARRL.

Craig Cannon who took pictures, wrote an article, and submitted to CLAYCORD.COM. To look at their article please go to

<http://claycord.com/2015/06/27/photos-ham-radio-field-day-at-heather-farm-park-in-walnut-creek>

73,
Lauren Styles, WA6CIE
Field Day Co-Chair

BE DISASTER AWARE

SEPTEMBER
IS NATIONAL
PREPAREDNESS
MONTH



TAKE ACTION TO PREPARE



AMERICA'S
PrepareAthon!

Ready

WHEN
ALL
ELSE
FAILS...



AMATEUR
RADIO



WHAT GOES IN A PREPAREDNESS KIT?

WATER

1 GALLON OF WATER PER
PERSON PER DAY;
HAVE AT LEAST A 3 DAY
SUPPLY

PET FOOD

PACK EXTRA FOOD &
WATER FOR YOUR PETS

FIRST AID KIT

BASIC SUPPLIES TO HELP
OUT LOVED ONES WHO
MAY BE HURT.

DOCUMENTS & MONEY

IMPORTANT FAMILY
DOCUMENTS AND
CASH/CREDIT CARDS

SANITATION ITEMS

MOIST TOWELETTES, GARBAGE BAGS AND
PLASTIC TIES FOR PERSONAL SANITATION

RADIO

KEEP UP WITH THE NEWS
DURING EMERGENCIES

FOOD

KEEP A SUPPLY OF
NON-PERISHABLE
FOODS & A CAN
OPENER

MEDICATIONS

1 WEEK'S SUPPLY OF
PRESCRIPTION AND
OVER-THE-COUNTER
MEDICATIONS.



W6CX Amateur Television Repeater

Output is Now *DIGITAL ONLY* !

Inputs: 1289.25 AM 1292.5 Digital 1270.0 FM (PL 192.8) 915.0 FM 427.25 AM. NEW DIGITAL OUTPUT: 1244.50

Effective September 7, 2015, there is no longer a 1241.25 MHz analog television output. The internet stream remains at <http://www.w6cxatv.net/live> . Thanks to WB6ASU, K6SOE and AF6PU for their hard work on this innovative project.

A digital input was added to the existing AM and FM inputs. The repeater will not be on all the time at this point, until we get clearance with the Federal Aviation Administration frequency coordinator.

The repeater will be up several hours before net times and through any nets. It will also be brought up on request via email to technical@mdarc.org, call to 925-330-0049, or request on W6CX 147.060+ (PL 100 Hz) MHz 2 meter repeater.

Digital amateur television receiving equipment was described in the July 2015 *CARRIER*. Information is also available in the files section of the ATNC YahooGroup. 73, *Jim Siemons, AF6PU*



Got Drugs?

Turn in your unused or expired
medication for safe disposal
Saturday, September 26th,
10 a.m. – 2 p.m.

ANTIOCH POLICE DEPT 300 L STREET

BLACKHAWK CAR COLLECTION
1092 EAGLES NEST PL DANVILLE

BRENTWOOD POLICE DEPT 9100 BRENTWOOD BLVD

CASTRO VALLEY LIBRARY 3600 NORBRIDGE AVE

DANVILLE POLICE DEPT 510 LA GONDA WAY

DUBLIN POLICE DEPT 100 CIVIC PLAZA

HAYWARD POLICE DEPT 300 W WINTON AVE

KENSINGTON POLICE DEPT 217 ARLINGTON AVE

LAFAYETTE POLICE DEPT 3675 MT DIABLO BLVD

LIVERMORE POLICE DEPT 1110 SOUTH LIVERMORE AVE

MARTINEZ: CONTRA COSTA COUNTY SHERIFF 1980 MUIR RD

OAKLAND POLICE DEPT 455 7th ST

OAKLEY POLICE DEPT 3231 MAIN ST

ORINDA POLICE DEPT 22 ORINDA WAY

RICHMOND POLICE DEPT
2200 HILLTOP MALL SUITE 110

RICHMOND: CONTRA COSTA COUNTY SHERIFF
BAY STATION 5555 GIANT HIGHWAY

SAN LEANDRO POLICE DEPT
PRAISES OF ZION CHURCH 1395 BANCROFT AVE

SAN RAMON POLICE DEPT 2401 CROW CANYON RD

UNION CITY POLICE DEPT 34009 ALVARADO-NILES RD

WALNUT CREEK POLICE DEPT 1666 N. MAIN ST

Visit www.dea.gov
or call 800-882-9539
for a collection
site near you



*On September 27, 2014, DEA
collected over 20 TONS of
unwanted medications in just
a four hour period from Kern
County north to the Oregon
border.*

For more
information,
please visit
www.dea.gov

"Prescription drug abuse is a huge problem and this is a great opportunity for folks around the country to help reduce this threat. Please clean out your medicine cabinets and make your home safe from drug theft and abuse." — Chuck Rosenberg, Acting DEA Administrator

Map & Address for PACIFICON 2015 at the San Ramon Marriott Hotel



San Ramon Marriott Hotel
2600 Bishop Drive
San Ramon CA 94583
1-925-567-9200, 1-800-326-9290

Take Highway 580 to Bollinger Canyon Rd. exit
in San Ramon. Go east on Bollinger Canyon
Rd. First left onto Sunset Dr. Second left onto
Bishop Dr. About 1/4 mile to Hotel on left.
Parking is very limited. See instructions on website.

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION



**PACIFICON RETURNS
TO SAN RAMON**

PACIFICON 2015

P.O. Box 31872
Riverside Creek, CA 94595
E-mail: info@pacificon.org
(925) 943-9007

Toll-free: 1-877-660-1111 (PA 1011) Next Day
1-877-660-1111 (PA 1011) South Bay
See website for 400 & 900 MHz Toll-free

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION

The American Radio Relay League Pacific Division



Pacificcon returns to San Ramon!
The Ham Radio Convention
October 16, 17 & 18, 2015
San Ramon Marriott Hotel, San Ramon, CA

2015 EVENTS INCLUDE:

Outstanding Technical & EmComm Forums
Latest Ham Radio Equipment in Vendor Hall
Special Youth Kit Building
All Day Antenna Seminar
Opening Breakfast with Gordon West
Evening Banquet with Special Speaker
One Day Technician License Prep Class
Ham License Exams
Ham Radio 101/201 Seminar
Special Events Radio Station - Get On The Air
Great Swap Meet

TAKES PLACE AT THE:

**MARRIOTT
San Ramon**

ADMISSION: \$25 IN ADVANCE

(Some events are additional - see Registration Form)

An ARRL Pacific Division Convention - Produced by the
A.R. Diablo Amateur Radio Club (AED-URC)

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION

October 16-18 PACIFICON Amateur Radio Convention at the San Ramon Marriott Hotel, San Ramon CA

REGISTRATION IS NOW OPEN ! RESERVE YOUR TICKETS AND HOTEL ROOMS NOW !



HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

SUNNYVALE, CA
(877) 892-1749

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

WOODBIDGE, VA
(800) 444-4799

PLANO, TX
(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

DENVER, CO
(800) 444-9476

ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

ONLINE STORE
WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org

FIRST CLASS

NEXT MONTH...



<https://www.facebook.com/mdarc.org>

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/> Digital ATV Output 1244.500
Digital ATV Input 1292.500

ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM

ATV Internet Stream: <http://www.w6cxatv.net/live>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735+ (107.2 PL)

or 145.410 -- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

September and October 2015 Club Calendar

- | | | |
|----------------------------------|----------------|--|
| Friday September 18, 2015 | 7:30pm | MDARC General Meeting -
Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette |
| Saturday October 3, 2015 | 8:00 am | MDARC Technical Committee
Environmental Center, 2581 Harbor Street, Pittsburg |
| Monday October 5, 2015 | 7:00 pm | MDARC Board Meeting
Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek |
| Friday October 16, 2015 | 7:30pm | MDARC General Meeting - Room TBA
PACIFICON, Marriott Hotel, 2600 Bishop Drive, San Ramon |